

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: Neote et al

Application No:

10/698,350

Filed:

10/31/2003

For:

Panels of Molecular Targets
Differentially Expressed During
CD8+ Cell Priming, and Methods for
Therapy and Diagnosis Utilizing The

Same

Examiner: Davis, Deborah A.

Art Unit:

1632

Attorney Docket No.: PFA-008.01

CERTIFICATE OF FIRST CLASS MAILING

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 CFR 1.56. Copies of the documents are also being submitted.

Although we believe that we have appropriately provided for any fees due in connection with this submission, the Commissioner is authorized to credit any overpayment or charge any

deficiencies to/from our Deposit Account No. 06-1448, reference PFA-008.01. Two originally-executed copies of this form are being submitted.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 832-1754.

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Patent Group

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SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
PFA-008.01
Applicant
Neote, K. et al.

Filing Date Group Art Unit 10/31/03 . 1632

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|---------------------|------------|-------------------------|----------|-----------------------|---------------|----------|-------------------------------|
| | | | J | J.S. PATENT DOCUMENTS | | | |
| EXAMINER INITIAL | 1 | CUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| VE JOYO | AI | 4,563,419 | 01/07/86 | Ranki et al. | | | |
| WHY 3 LIER OF | A2 A3 | 4,683,202 | 07/28/87 | Mullis, K. | | | |
| MET 3 | A3 | 4,751,177 | 06/14/88 | Stabinksy, Y. | | | |
| PATENT & TRAD | A4 | 5,143,854 | 09/01/92 | Pirrung et al. | | | |
| | A5 | 5,252,743 | 10/12/93 | Barrett et al. | | | |
| | A6 | 5,283,317 | 02/01/94 | Saifer et al. | | | |
| | A7 | 5,384,261 | 01/24/95 | Winkler et al. | | | |
| - | A8 | 5,412,087 | 05/02/95 | McGall et al. | | | |
| | A9 | 5,424,186 | 06/13/95 | Fodor et al. | | | |
| | A10 | 5,451,683 | 09/19/95 | Barrett et al. | | | |
| | A11 | 5,563,037 | 10/08/96 | Sutherland et al. | | | |
| | A12 | 5,571,639 | 11/05/96 | Hubbell et al. | | | |
| | A13 | 5,593,839 | 01/14/97 | Hubbell et al | | | |
| | A14 | 5,599,695 | 02/04/97 | Pease et al | | | |
| | A15 | 5,624,711 | 04/29/97 | Sundberg et al. | | | |
| | A16 | 5,631,734 | 05/20/97 | Stern et al. | | | |
| | A17 | 5,677,195 | 10/14/97 | Winkler et al. | | | |
| | A18 | 6,051,380 | 04/18/00 | Sosnowski et al. | | | |
| | A19 | 6,083,697 | 07/04/00 | Beecher et al. | | | |
| | A20 | 6,203,987 | 03/20/01 | Friend et al. | | | |
| | . A21 | 6,263,287 | 07/17/01 | Zheng et al. | | | |
| | | | FOR | EIGN PATENT DOCUMENTS | S | | |
| | DOC | UMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation YES NO |
| | В1 | WO 00/76320 | 21/12/00 | WIPO | | | |
| | B2 | WO 96/17958 | 13/06/96 | WIPO | | | |
| | В3 | WO 92/10092 | 25/06/92 | WIPO | | | |
| | B4 | WO 93/09668 | 27.05.93 | WIPO | | | |
| | B5 | WO 97/10365 | 20/03/97 | WIPO | | | |
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| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | PFA-008.01 Application Number 10/698,350 | | | | | | | |
|--|-----|--|--|--------|--|-------------------|----------------------|--------------------|-----------|
| | | ATION | Applicant Neote, K. et al. | | | | | | |
| | | l sheets if necessary) | | Filir | ng Date 1/03 | | Group Art Unit | | |
| | В6 | WO 90/15070 | 13.12.9 | | WIPO | <u>_</u> | | | <u> </u> |
| | B7 | WO 95/11995 | 04.05.9 | 5 | WIPO | | | | |
| | В8 | EP 728,520 | 08/02/9 | 96 | EPO | | | | |
| | B9 | EP 0 070 685 | 14.07.8 | 32 | EPO | | | | |
| | B10 | WO 97/17471 | 15.05.9 | 7 | WIPO | | | | |
| | B11 | WO 97/17076 | 15.05.9 | 7 | WIPO | | | | |
| | | OTI | HER DO | CUN | MENTS | (Including A | luthor, Title, Date, | Pertinent Pages | Etc.) |
| | Cı | Tzachanis et al., Tob is 2(12):1174-82 | s a negative | regul | ator of activation that is expressed in anergic | and quiescent | T cells. Nature Im | munology. 2001. | |
| | C2 | Habig et al, Glutathior | ne S-Transfe | erases | , J. Biol. Chem. (1974) 249:7130-7139 | | | | |
| | C3 | Ellison et al., Epitope- | tagged Ubio | quitin | , A New Probe For Analyzing Ubiquitin Func | ction, J. Biol. (| Chem. (1991) 266: | 21150-21157 | |
| | C4 | Zervos et al., Mxil, a Protein That Specifically Interacts with Max to Bind Myc-Max Recognition Sites, Cell (1993) 72:223-232 | | | | | | | |
| | C5 | Madura et al., N-recognin/Ubc2 Interactions in the N-end Rule Pathway, J. Biol Chem (1993) 268:12046-12054 | | | | | | | |
| | C6 | Bartel et al., Elimination of False Positives That Arise in Using the Two-Hybrid System (1993) Biotechniques 14:920-924 | | | | | | | |
| | C7 | Iwabuchi et al., Use of the two-hybrid system to identify the domain of p53 involved in oligomerization, Oncogene (1993) 8:1693-1696 | | | | | | | |
| | C8 | Alton et al., Nucleotide sequence analysis of the chloramphenicol resistance transposon Tn9, Nature (1979) 282:864-869 | | | | | | | |
| | С9 | Zlokarnik et al., Quantitation of Transcription and Clonal Selection of Single Living Cells with β-Lactamase as Reporter (1998) Science, 279:84-88 | | | | | | | |
| | C10 | O'Garra et al., The mo | O'Garra et al., The molecular basis of T helper 1 and T helper 2 cell differentiation. Trends in Cell Biology. 2000. 10: 542-550 | | | | | | |
| | CII | Engebrecht et al., Iden | Engebrecht et al., Identification of genes and gene products necessary for bacterial bioluminescence (1984) PNAS 1: 4154-4158 | | | | | | |
| _ | C12 | Baldwin et al., Cloning Biochemistry (1984) 2 | | | e Structural Genes from Vibrio harveyi and E | Expression of B | ioluminescence in | Escherichia coli, | |
| | C13 | Toh et al., Isolation and 231-238 | d characteri | zatior | n of a rat liver alkaline phosphatase gene, A si | ingle gene with | ı two promoters Eı | ur. J. Biochem. (1 | 989) 182: |
| | Ċ14 | Baldin et al., 14-3-3 pr | oteins and p | growt | h control. Progress in Cell Cycle Research. 2 | 2000. 4:49-60. | | | |

Sheet Page 3 of 10

| Form PTO-1449 | Docket Number (Optional) | Application Number | | | | |
|--|--|--|--|--|--|--|
| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION | PFA-008.01 | 10/698,350 | | | | |
| IN AN APPLICATION | Applicant Neote, K. et al. | | | | | |
| (Use several sheets if necessary) | Filing Date 10/31/03 | Group Art Unit 1632 | | | | |
| C15 Schena et al., Microarrays: b | Schena et al., Microarrays: biotechnology's discovery platform for functional genomics (1998) Tibtech 16:301 | | | | | |
| C16 Duggan et al., Expression pro | ofiling using cDNA microarrays (1999) Nat. Gen | et. 21:10-14 | | | | |
| C17 Bowtell et al., Options availa | ble from start to finish for obtaining express | ion data by microarray (1999) Nat. Genet. 21: 25-32 | | | | |
| C18 Hughes et al., Expression pro | ofiling using microarrays fabricated by an ink-jet | oligonucleotide synthesizer (2001) Nat. Biotechn. 19:342-372 | | | | |
| C19 Latchman et al., PD-L2 is a s | second ligand for PD-1 and inhibits T cell activati | on. Nature Immunol. 2001. 2(3): 261-268 | | | | |
| C20 Sheldon et al, Matrix DNA F | lybridization, Clinical Chemistry (1993) 39:718- | 719 | | | | |
| C21 Kozal et al., Extensive polyn Medicine 2(7): 753-759 | Kozal et al., Extensive polymorphisms observed in HIV-1 clade B protease gene using high-density oligonucleotide arrays (1996) Nature Medicine 2(7): 753-759 | | | | | |
| | Lashkari et al., An automated multiplex oligonucleotide synthesizer: Development of High-throughput, low-cost DNA synthesis, Proc. Natl. Acad. Sci. USA (1995) 93: 7912-7915 | | | | | |
| C23 Tibanyenda, N. et al., The ef | Tibanyenda, N. et al., The effect of single base-pair mismatches on the duplex stability of d(T-A-T-T-A-A-T-A-T-C-A-A-G-T-T-G) d (C-A-A-C-T-T-G-A-T-A-T-A-T-A-T-A), Eur. J. Biochem (1984) 139:19-22 | | | | | |
| C24 Ebel, S. et al., Very Stable M 31:12083·12086 | Ebel, S. et al., Very Stable Mismatch Duplexes: Structural and Thermodynamic Studies on Tandem G·A Mismatches in DNA, Biochem. (1992) 31:12083·12086 | | | | | |
| C25 Guschin et al., Manual Manu | Guschin et al., Manual Manufacturing of Oligonucleotide, DNA, and Protein Microchips, Anal. Biochem. (1997) 250:203-211 | | | | | |
| C26 Healey et al., Fiberoptic DN. | Healey et al., Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations, Anal. Biochem. (1997) 251:270-279 | | | | | |
| C27 Stimpson et al., Real-time de 92:6379-6383 | Stimpson et al., Real-time detection of DNA hybridization and melting on oligonucleotide arrays by using optical wave guides, PNAS (1995) 92:6379-6383 | | | | | |
| C28 Shalon et al., A DNA Micros Research (1996) 6:639-645 | Shalon et al., A DNA Microarray System for Analyzing Complex DNA Samples Using Two-color Fluorescent Probe Hybridization, Genome Research (1996) 6:639-645 | | | | | |
| C29 Sprent et al., T-cell prolifera | Sprent et al., T-cell proliferation in vivo and the role of cytokines. Phil. Trans. R. Soc. Lond. B. 2000. 355:317-322 | | | | | |
| C30 Ferguson et al., A fiber-option | Ferguson et al., A fiber-optic DNA biosensor microarray for the analysis of gene expression, Nature Biotech. (1996) 14:1681-1684 | | | | | |
| C31 Perou, et al., Distinctive gen | Perou, et al., Distinctive gene expression patterns in human mammary epithelial cells and breast cancers, PNAS (1999) 96::9212-9217 | | | | | |

Sheet Page 4 of 10

| Form PTO-1449 | | Docket Number (Optional) | Application Number | | |
|-------------------|---|--|---|--|--|
| SUPPLEM | | PFA-008.01 | 10/698,350 | | |
| INFORMATION DISC | | Applicant Neote, K. et al. | | | |
| (Use several shee | | Filing Date 10/31/03 | Group Art Unit 1632 | | |
| | Alon, et al, Broad patterns of gene expression revealed by clustering analysis of tumor and normal colon tissues probed by oligonucleotide arrays (1999) PNAS 96: 6745-6750 | | | | |
| | atelli,, et al., Isothermal, <i>in vitr</i> id. Sci. USA (1990) 87:1874-1 | | me reaction modeled after retroviral replication, Proc. Natl. | | |
| C34 Kwc sand | oh, et al., Transcription-based dwich hybridization format, Pr | amplification system and detection of amplification Sci. USA (1989) 86:1173-1177 | d human immunodeficiency virus type 1 with a bead-based | | |
| C35 Eck | ert, et al., DNA Polymerase Fi | idelity and the Polymerase Chain Reaction, PC | R Methods and Applications (1991) 1:17-24 | | |
| | vama, et al., Laser Capture Mic 00) 29:530-536 | crodissection-Generated Target Sample for Hig | h-Density Oligonucleotide Array Hybridization, BioTechniques | | |
| C37 Luo | , et al., Gene expression profil | les of laser-captured adjacent neuronal subtype | s, Nature Medicine (1999) 5:117-122 | | |
| C38 Heg | Hegde, et al., A Concise Guide to cDNA Microarray Analysis (2000) 29:548-562 | | | | |
| C39 Ebe | Eberwine, et al., Analysis of gene expression in single live neurons, Proc. Natl. Acad. Sci. USA (1992) 89:3010-3014 | | | | |
| | Kim, et al., Genomic Variation and Segregation of Equine Infectious Anemia Virus during Acute Infection, Journal of Virology, (1992) 66:3879-3882 | | | | |
| | Jena, et al., Amplification of genes, single transcripts and cDNA libraries from one cell and direct sequence analysis of amplified products derived from one molecule, Journal of Immunological Methods (1996) 190:199-213 | | | | |
| C42 Lan | Landegren, et al., A Ligase-Mediated Gene Detection Technique, Science Reports (1988) 241:1077-1080 | | | | |
| | Livesey, et al., Microarray analysis of the transcriptional network controlled by the photoreceptor homeobox gene Crx, Current Biology (2000) 10: 301-310 | | | | |
| | Sakai, et al., Microarray Hybridization with Fractionated cDNA: Enhanced Identification of Differentially Expressed Genes, Analytical Biochemistry (2000) 287:32-37 | | | | |
| | Zhao, et al., High-density cDNA filter analysis: a novel approach for large-scale, quantitative analysis of gene expression, Gene (1995) 156:207-213 | | | | |
| | Thiel, et al., In Situ Surface Plasmon Resonance Imaging Detection of DNA Hybridization to Oligonucleotide Arrays on Gold Surfaces, Anal. Chem. (1997) 69:4948-4956 | | | | |
| . C47 Velo | Velculescu, et al., Characterization of the Yeast Transcriptome, Cell (1997) 88:243-251 | | | | |
| C48 Zha | Zhang, et al., Gene Expression Profiles in Normal and Cancer Cells, Science (1997) 276:1268-1272 | | | | |

Sheet Page 5 of 10

| Form PTO-1449 | | DI CNECNTAL | Docket Number (Optional) | Application Number | | |
|--|-------------------|---|---|---|--|--|
| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION | | | PFA-008.01 Applicant | 10/698,350 | | |
| IN | IN AN APPLICATION | | Neote, K. et al. | | | |
| (Use | severa | l sheets if necessary) | Filing Date 10/31/03 | Group Art Unit 1632 | | |
| | C49 | Shevchenko, et al., Mass Spectron 858 | metric Sequencing of Proteins from Silver-Stained P | olyacrylamide Gels, Analytical Chemistry (1996) 68:850- | | |
| | C50 | Stemmer, et al., Single-step assen | nbly of a gene and entire plasmid from large number | s of oligodeoxyribonucleotides, Gene (1995) 164:49-53 | | |
| | C51 | Shivdasani, et al., The Transcripti 4039 | onal Control of Hematopoiesis, Blood, The Journal | of the American Society of Hematology (1996) 87:4025- | | |
| | C52 | Broudy, Stem Cell Factor and He | matopoiesis Blood, The Journal of the American Soc | ciety of Hematology (1997) 90:1345-1364 | | |
| | C53 | Aulwurm, et al., Increased format proliferation 2000) Eur. J. Bioche | ion of reactive oxygen species due to glucose deplet m. (2000) 267:5693-5698 | ion in primary cultures of rat thymocytes inhibits | | |
| | C54 | Brondello, et al., Reduced MAP k | Kinase Phosphatase-I Degradation After p42/p44 ^{MAP} | K-Dependent Phosphorylation, Science (1999) 286:2514- | | |
| | C55 | Constant, et al., INDUCTION OF 15:297-322 | Constant, et al., INDUCTION OF TH1 AND TH2 CD4 ⁺ T CELL RESPONSES: The Alternative Approaches, Annu. Rev. Immunol. (1997) 15:297-322 | | | |
| - | C56 | Van Gelder, et al., Amplified RNA synthesized from limited quantities of heterogeneous cDNA, Proc. Natl. Acad. Sci. USA (1990) 87:1663-1667 | | | | |
| | C57 | Pietu, et al., Novel Gene Transcripts Preferentially Expressed in Human Muscles Revealed by Quantitative Hybridization of a High Density cDNA Array, Genome Research (1996) 6:492-503 | | | | |
| | C58 | Tyagi, et al., Molecular Beacons: Probes that Fluoresce upon Hybridization, Nature Biotechnology (1996) 14:303-308 | | | | |
| | C59 | Ranki, et al., Sandwich hybridization as a convenient method for the detection of nucleic acids in crude samples, Gene, (1983) 21:77-85 | | | | |
| | C60 | Conner, et al., Detection of sickle cell \(\beta^s\)-globin allele by hybridization with synthetic oligonucleotides, Proc. Natl. Acad. Sci. USA (1983) 80:278-282 | | | | |
| | C61 | Velculescu, et al., Analysis of human transcriptomes, nature genetics (1999) 23:387-388 | | | | |
| | C62 | Sarin, et al., Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates, Proc. Natl. Acad. Sci. USA (1988) 85:7448-7451 | | | | |
| | C63 | Inoue, et al., Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H, FEBS LETTERS (1987) 215:327-330 | | | | |
| | C64 | Mahadevappa, et al., A high density probe array sample preparation method using 10- to 100-fold fewer cells, Nature Biotechnology (1999) 17: 1134-1136 | | | | |
| | C65 | Sieweke, et al., A transcription fac | ctor party during blood cell differentiation, Current C | Opinion in Genetics & Development (1988) 8:545-551 | | |

Sheet Page 6 of 10

| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | | PFA-008.01 | | Application Number 10/698,350 | | | |
|--|-----|--|---|---------------------------|---|--|--|--|
| | | | Applicant Neote, K. et al. | | | | | |
| | | l sheets if necessary) | Filing Date 10/31/03 | | Group Art Unit 1632 | | | |
| | C66 | Socolovsky, et al., Control of hematopoietic differentiation: Lack of specificity in signaling by cytokine receptors, Proc. Natl. Acad. Sci. USA (1988) 95:6573-6575 | | | | | | |
| | C67 | Agarwal, et al., Modulation of Ch | Agarwal, et al., Modulation of Chromatin Structure Regulates Cytokine Gene Expression during T Cell Differentiation, Immunity (1998) 9:765-775 | | | | | |
| | C68 | Bird, et al., Helper T Cell Differen | Bird, et al., Helper T Cell Differentiation Is Controlled by the Cell Cycle, Immunity (1998) 9:229-237 | | | | | |
| | C69 | Fahmy, et al., Increased TCR Avi | dity after T Cell Activation: A Mechan | nism for Sensing Low-D | ensity Antigen, Immunity (2001) 14:135-143 | | | |
| | C70 | Heximer, et al., RGS2/G0S8 is a s C-β), Proc. Natl. Acad. Sci. USA | | ulator of G protein signa | aling/phosphoinositide hydrolysis/phospholipase | | | |
| | C71 | Hildeman, et al., Reactive Oxyger | n Species Regulate Activation-Induced | T Cell Apoptosis, Immu | unity (1999) 10:735-744 | | | |
| | C72 | lezzi, et al., The Duration of Anti | genic Stimulation Determines the Fate of | of Naïve and Effector T | Cells, Immunity (1998) 8:89-95 | | | |
| | C73 | Alizadeh, et al., Distinct types of | Alizadeh, et al., Distinct types of diffuse large B-cell lymphoma identified by gene expression profiling, Nature (2000) 403:503-511 | | | | | |
| | C74 | Bittner, et al., Molecular classifica | Bittner, et al., Molecular classification of cutaneous malignant melanoma by gene expression profiling, Nature (2000) 406:536-540 | | | | | |
| | C75 | Perou, et al., Molecular portraits of | Perou, et al., Molecular portraits of human breast turnours, Nature (2000) 406:747-752 | | | | | |
| | C76 | Clark, et al., Genomic analysis of metastasis reveals an essential role for RhoC, Nature (2000) 406:532-535 | | | | | | |
| | C77 | Golub, et al., Molecular Classification of Cancer: Class Discovery and Class Prediction by Gene Expression Monitoring, Science (1999) 286:531-537 | | | | | | |
| | C78 | Murphy, et al., Signaling And Transcription In T Helper Development, Annu. Rev. Immunol. (2000) 18:451-494 | | | | | | |
| | C79 | Sha, et al., Selective expression of an antigen receptor on CD8-bearing T lymphocytes in transgenic mice, Nature (1988) 335:271-274 | | | | | | |
| - | C80 | Glynne, et al., How self-tolerance | and the immunosuppressive drug FK50 | 06 prevent B-cell mitog | enesis, Nature (2000) 403:672-676 | | | |
| | C81 | Huard, et al., KIR expression on s | self-reactive CD8* T cells is controlled t | by T-cell receptor engag | gement, Nature (2000) 403:325-328 | | | |
| | C82 | | Shibanuma, et al., Isolation of a Gene Encoding a Putative Leucine Zipper Structure That Is Induced by Transforming Growth Factor β1 and Other Growth Factors, The Journal of Biological Chemistry (1992) 267:10219-10224 | | | | | |

Sheet Page 7 of 10

| | | | Docket Number (Optional) | Application Number | | | |
|--|-----|--|---|--|--|--|--|
| SUPPLEMENTAL INFORMATION DISCLOSURE CITATION | | | PFA-008.01 | 10/698,350 | | | |
| 1 | | APPLICATION | Applicant Neote, K. et al. | | | | |
| | | al sheets if necessary) | Filing Date 10/31/03 | Group Art Unit 1632 | | | |
| | C83 | | Biswas, et al., Diagnostic Application of Polymerase Chain Reaction for Detection of Ehrilichia risticii in Equine Monocytic Ehrlichiosis (Potomac Horse Fever), Journal of Clinical Microbiology (1991) 29:2228-2233 | | | | |
| | C84 | Spirin, et al., Analysis of Gene Ex Vis Sci. (1999) 40:3108-3115 | pression in Human Bullous Keratopathy Corneas Containing | Limiting Amounts of RNA, Invest Ophthamol | | | |
| | C85 | Wu, et al., The Ligation Amplific Dependent Ligation, Genomics (1 | ation Reaction (LAR) Amplification of Specific DNA Sequ 989) 4:560-569 | ences Using Sequential Rounds of Template- | | | |
| | C86 | Guppy, et al., The role of the Crat Biochem. (1993) 212:95-99 | otree effect and an endogenous fuel in the energy metabolism | of resting and proliferating thymocytes, Eur. J. | | | |
| | C87 | Kuo, et al., Transcriptional Regula | ation of T Lymphocyte Development and Function, Annu. Re | v. Immunol. (1999) 17:149-87 | | | |
| | C88 | Shpaer, et al., Smith-Waterman ar | Shpaer, et al., Smith-Waterman and Other Database Similarity Searches and Identification of Motifs, Methods in Molecular Biology 70:173-187 | | | | |
| | C89 | Hall, et al., Expression and Regula | Hall, et al., Expression and Regulation of Escherichia coli lacZ Gene Fusions in Mammalian Cells, J. Mol. Appl. Genet. (1983) 2:101-109 | | | | |
| • | C90 | Fodor, et al., Light-Directed, Spatially Addressable Parallel Chemical Synthesis, Science (1991) 251:767-773 | | | | | |
| | C91 | Lacombe, et al., The molecular biology of erythropoietin, Nephrol Dial Transplant (1999) 14:22-28 | | | | | |
| | C92 | Heximer, et al., Comparison of mRNA Expression of Two Regulators of G-Protein Signaling, RGS1/BL34/1R20 and RGS2/G0S8, in Cultured Human Blood Mononuclear Cells, DNA and Cell Biology (1997) 16:589-598 | | | | | |
| | C93 | Carroll, et al., The role of co-stimulation in regulation of chemokine receptor expression and HIV-1 infection in primary T lymphocytes, Immunology (1998) 10:195-202 | | | | | |
| | C94 | Cronin, et al., Requirements for Activation of CD8+ Murine T Cells, Immunol Res (1994) 13:215-233 | | | | | |
| | C95 | Siderovski, et al., A Human Gene Encoding a Putative Basic Helix-Loop-Helix Phosphoprotein Whose mRNA Increases Rapidly in Cycloheximide-Treated Blood Mononuclear Cells, DNA and CELL BIOLOGY (1994) 13:125-147 | | | | | |
| | C96 | Matsuda, et al., In search of a function for the TIS21/PC3/BTG1/TOB family, FEBS Letters (2001) 497:67-72 | | | | | |
| | C97 | Glynne, et al., B-lymphocyte quiescence, tolerance and activation as viewed by global gene expression profiling on microarrays, Immunological Reviews (2000) 176:216-246 | | | | | |
| • | C98 | Stein, et al., Physicochemical prop | Stein, et al., Physicochemical properties of phosphorothioate oligodeoxynucleotides, Nucleic Acids Research (1988) 16:3209-3221 | | | | |
| | C99 | Inoue, et al., Synthesis and hybrid 15:6131-6149 | ization studies on two complementary nona(2 ~-O-methyl)rib | onucleotides, Nucleic Acids Research (1987) | | | |

Sheet Page 8 of 10

| Form PTO-1449 SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | PLEMENTAL | Docket Number (Optional) PFA-008.01 | Application Number 10/698,350 | | | | |
|--|----------|---|---|--|--|--|--|--|
| | | | Applicant Neote, K. et al. | | | | | |
| (Us | e severa | al sheets if necessary) | Filing Date 10/31/03 | Group Art Unit 1632 | | | | |
| | C100 | Wallace, et al., Hybridizaton of sy Research (1979) 6:3543-3557 | Wallace, et al., Hybridizaton of synthetic oligodeoxyribonucleotides to X 174 DNA: the effect of single base pair mismatch, Nucleic Acids Research (1979) 6:3543-3557 | | | | | |
| | C101 | | Mattila, et al., Fidelity of DNA synthesis by the Thermococcus litoralis DNA polymerase an extremely heat stable enzyme with proofreading activity, Nucleic Acids Research (1991) 19:4967-4973 | | | | | |
| | C102 | Schena, et al., Quantitative Monit | oring of Gene Expression Patterns with a Col | mplementary DNA Microarray, Science (1995) 270:467-470 | | | | |
| | C103 | Velculescu, et al., Serial Analysis | of Gene Expression, Science (1995) 270:484 | 4-487 | | | | |
| | C104 | Dulac, Cloning of Genes from Sin | ngle Neurons, Сигт Тор Dev Biol (1998) 36:2 | 245-258 | | | | |
| | C105 | Brand, Glutamine and glucose me (1985) 228:353-361 | tabolism during thymocyte proliferation, Pat | thways of glutamine and glutamate metabolism, Biochem. J. | | | | |
| • | C106 | | Nakashiro, et al., Down-regulation of TSC-22 (Transforming Growth Factor β-stimulated Clone 22) Markedly Enhances the Growth of a Human Salivary Gland Cancer Cell Line in Vitro and in Vivo, Cancer Research (1998) 58:549-555 | | | | | |
| | C107 | Chirgwin, et al., Isolation of Biologically Active Ribonucleic Acid from Sources Enriched in Ribonuclease, American Chemical Society (1979) 18:5294-5299 | | | | | | |
| | C108 | Biswas, et al., Gene Amplification by Polymerase Chain Reaction for Detection of <i>Ehrlichia risticii</i> DNA in Potomac Horse Fever, A. NY Acad Sci. (1990) 590:582-583 | | | | | | |
| | C109 | Rouault, et al., BTG1, a member of | Rouault, et al., BTG1, a member of a new family of antiproliferative genes, The EMBO Journal (1992) 11:1663-1670 | | | | | |
| | C110 | Alter, Biology of Erythropoiesis, A. NY Acad. Sci. (1994) 731:36-47 | | | | | | |
| | CIII | Tanchot, et al., Differential Require | Tanchot, et al., Differential Requirements for Survival and Proliferation of CD8 Naïve or Memory T Cells, Science (1997) 276:2057-2062 | | | | | |
| | C112 | Lee, et al., T Cell Receptor Signaling Precedes Immunological Synapse Formation, Science (2002) 295:1539-1542 | | | | | | |
| | C113 | Kuo, et al., LKLF: A Transcriptional Regulator of Single-Positive T Cell Quiescence and Survival, Science (1997) 277:1986-1990 | | | | | | |
| | C114 | Fu, et al., 14-3-3 PROTEINS: Str | ucture, Function, and Regulation, Annu. Rev | v. Pharmacol. Toxicol (2000) 40:617-47 | | | | |
| | C115 | | of mitogen-activated protein (MAP) kinase p tive regulation, Biochem. J. (2000) 352:155- | phosphatase-1 by binding to p38 MAP kinase: critical role of the | | | | |
| | C116 | Ohta, et al., Mechanism of apoptol 324:777-782 | Ohta, et al., Mechanism of apoptotic cell death of human gastric carcinoma cells mediated by transforming growth factor β , Biochem. J. (1997) 324:777-782 | | | | | |

Sheet Page 9 of 10

| | UPPLEMENTAL | PFA-008.01 | 10/698,350 | | | | |
|---|--|---|--|--|--|--|--|
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | Applicant Neote, K. et al. | | | | | |
| | eral sheets if necessary) | Filing Date 10/31/03 | Group Art Unit 1632 | | | | |
| C11 | | Kester, et al., Transforming Growth Factor-β-stimulated Clone-22 Is a Member of a Family of Leucine Zipper Proteins That Can Homo- and Heterodimerize and Has Transcriptional Repressor Activity, Journal Biological Chemistry (1999) 274:27439-27447 | | | | | |
| C118 | | Nichols, et al., Substrate Recognition Domains within Extracellular Signal-regulated Kinase Mediate Binding and Catalytic Activation of Mitogen-activated Protein Kinase Phosphatase-3, Journal of Biological Chemistry (2000) 275:24613-24621 | | | | | |
| C119 | | Greiner, et al., Glucose Is Essential for Proliferation and the Glycolytic Enzyme Induction That Provokes a Transition to Glycolytic Energy Production, Journal of Biological Chemistry (1994) 269:31484-31490 | | | | | |
| C126 | D Hayashi, et al., Differences Between | een Responses of Naïve and Activated T Cell | s to Anergy Induction, Journal Immunology (1998) 160:33-38 | | | | |
| C12 | l Grayson, et al., Gene Expression i | in Antigen-Specific CD8* T Cells During Vir | al Infection, Journal Immunology (2001) 166:795-799 | | | | |
| C122 | | A-4 Lowers the Activation Threshold of Prin Protein Tyrosine Phosphatase, Journal Immu | ned CD8* TCR-Transgenic T Cells: Lack of Correlation with Src nology (2001) 166:3900-3907 | | | | |
| C12: | • | Fields, et al., B7.1 Is a Quantitatively Stronger Costimulus Than B7.2 in the Activation of Naïve CD8 ⁺ TCR-Transgenic T Cells, Journal Immunology (1998) 161:5268-5275 | | | | | |
| C124 | Weiss, et al., Regulation of <i>c-Jun</i> | Weiss, et al., Regulation of c-Jun NH2-terminal Kinase (Jnk) Gene Expression during T Cell Activation, J. Exp. Med. (2000) 191:139-145 | | | | | |
| C12: | | Freeman, et al., Engagement of the PD-1 Immunoinhibitory Receptor by a Novel B7 Family Member Leads to Negative Regulation of Lymphocyte Activation, J. Exp. Med. (2000) 192:1027-1034 | | | | | |
| C126 | Fallarino, et al., B7-1 Engagemen (1998) 188:205-210 | Fallarino, et al., B7-1 Engagement of Cytotoxic T Lymphocyte Antigen 4 Inhibits T Cell Activation in the Absence of CD28, J. Exp. Med. (1998) 188:205-210 | | | | | |
| C127 | D'Andrea, et al., Regulation of T Exp. Med. (1996) 184:789-794 | D'Andrea, et al., Regulation of T Cell Lymphokine Production by Killer Cell Inhibitory Receptor Recognition of Self HLA Class I Alleles, J. Exp. Med. (1996) 184:789-794 | | | | | |
| C128 | Davis, et al., The immunological s | Davis, et al., The immunological synapse: required for T cell receptor signalling or directing T cell effector function?, Curr. Biol. (2001) 11:R289-R290 | | | | | |
| C129 | | Tirone, et al., The Gene PC3 ^{TIS21/BTG2} , Prototype Member of the PC3/BTG/TOB Family: Regulator in Control of Cell Growth, Differentiation, and DNA Repair?, Journal of Cellular Physiology (2001) 187:155-165 | | | | | |
| C130 | | Uchida, et al., Over -Expression of TSC-22 (TGF-β Stimulated Clone-22) Markedly Enhances 5-Fluorouracil-Induced Apoptosis in a Human Salivary Gland Cancer Cell Line, Laboratory Investigation (2000) 80:955-963 | | | | | |
| C131 | Oliveira-dos-Santos et al., Regulat | Oliveira-dos-Santos et al., Regulation of T cell activation, anxiety, and male aggression by RGS2. PNAS. 2000. 97:12272-12277. | | | | | |
| C132 | ? Teague et al., Activation changes | the spectrum but not the diversity of genes ex | pressed by T cells. PNAS. 1999. 22:12691-12696. | | | | |
| C133 | Krantz. Erythropoietin. Blood. 19 | Krantz. Erythropoietin. Blood. 1991. 77(3): 419-434. | | | | | |

Sheet Page 10 of 10

| Form PTO-1449 SUPPLEMENTAL | Docket Number (Optional) PFA-008.01 | Application Number 10/698,350 |
|---|--|---|
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | Applicant Neote, K. et al. | |
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